

## **GENOTYPING BY MASS SPECTROMETRIC ANALYSIS OF SHORT DNA FRAGMENTS**

### **ABSTRACT OF THE DISCLOSURE**

Genotyping can be accomplished by analysis of short, defined DNA segments using electrospray ionization mass spectrometry. The DNA segments are produced using specially designed primers to amplify a cDNA or genomic DNA template. The primers contain a recognition site for a restriction endonuclease. The amplification products are digested with the restriction endonuclease. Single nucleotide polymorphisms can be detected rapidly and reliably.

For the purpose of this disclosure